

sneak PREVIEW



SPIE PHOTONICS WEST – San Francisco, CA

February 16-18

An advance look at the products, trends and technologies being presented.



Exploring the City by the Bay

San Francisco, home to SPIE Photonics West – the industry's largest conference and exposition – is a city of neighborhoods. In this issue of Sneak Preview – Photonics West Edition #1 – Photonics Media Senior Editor Justine Murphy explores some of what makes this town so distinctive and exciting.

In the mid-1800s San Francisco got a bit of a kick-start when it became the central port and depot of the west's initial Gold Rush frenzy. The infamous earthquake and subsequent fires of 1906 destroyed much of the city, but it was rebuilt rather quickly and by the 1930s it was growing exponentially into outlying neighborhoods.

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LASER World of **PHOTONICS CHINA**
March 14-16, 2017
Shanghai New International Expo Center

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Featured Exhibitors

LDF Fiber Optic Cleavers

From: **AFL**

For small and large fiber diameters, 80 μm to 1,250 μm , Fujikura's CT-105/106 cleavers provide accuracy and dependability for flat and angled cleaves. Extensive programmable features include programmable automatic clamp function, angle cleaving function (0 – 15° for fibers up to 800 μm) and storage for up to 100 program modes. Purchase a CT-105 or CT-106 before April 1 and receive 10 cleaver blades or 5 sets of inserts FREE!

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OZ Optics' Online Catalog

From: **OZ OPTICS LIMITED**

OZ Optics Limited's new online Catalog (shop.ozoptics.com) is the world's largest fiber optic online catalog.

- Thousands of fiber optic products in stock
- Stock items are shipped within 1 or 2 business days
- Excess inventory is as much as 75% off

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Optical Fiber & Cable for Sensing

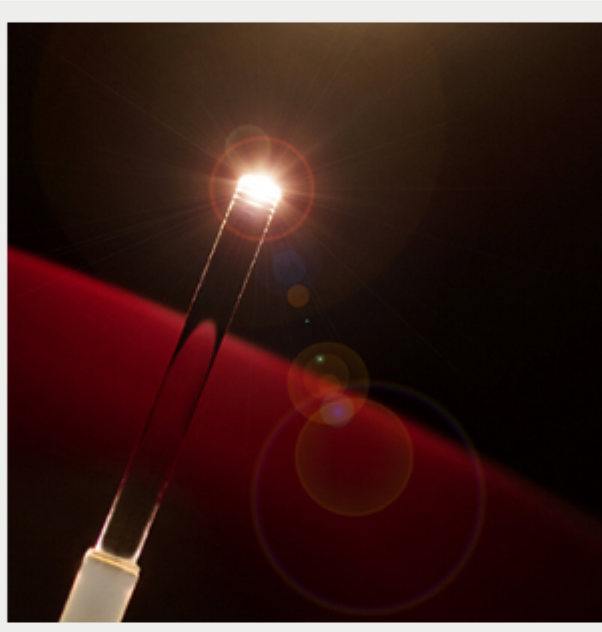
From: **OFS**

OFS provides a wide range of optical fibers and cables for use in sensing applications across numerous industries: medical, oil and gas, aerospace and transportation to name a few. OFS optical fibers are helping to revolutionize new and existing minimally invasive surgeries and surgical tools. They also help enhance safety and improve oil production yields as well as enable well and pipeline operators to measure, in near real-time, a wellbore or an entire pipeline environment.

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High-Resolution Spectrum Analyzer

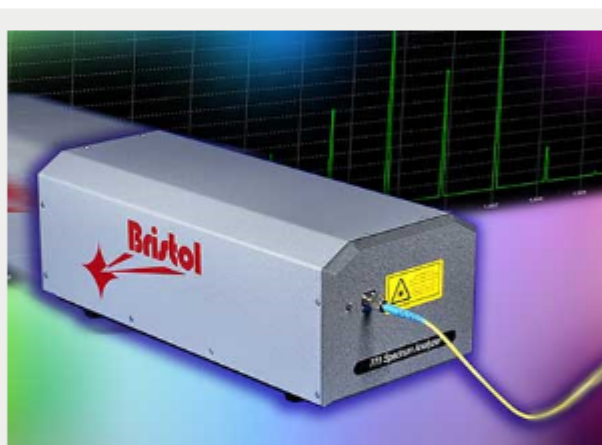
From: **BRISTOL INSTRUMENTS, INC.**

The model 771 operates as a high-resolution spectrum analyzer and a high-accuracy wavelength meter for CW and high-repetition-rate pulsed lasers. A spectrum is measured to a resolution as high as 2 GHz and OSNR is measured to >40 dB. The system's wavelength accuracy is as high as ± 0.0001 nm, guaranteed by continuous calibration with a built-in wavelength standard. Operation is available from 375 nm to 12 μm .

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Transforming Light

From: **EXCITON, INC.**

- Laser Dyes
- Fluorescent Dyes
- Selective Wavelength Filter Dyes
- Infrared Dyes

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Hyperspectral Cameras

From: **PHOTONFOCUS AG**

In its 15th anniversary, Photonfocus presents two new hyperspectral cameras to work from 600 to 1000 nm. The HS01 camera incorporates a linescan sensor with over 100 narrow bands and the HS02 has a mosaic sensor which provides 25 images with 25 bands. Their FPGA pre-processing and their A/B shaft encoder interface (RS-422 or HTL levels) make them your best partner to face the most demanding applications for material processing.

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All-In-One Beam Steering System

From: **NEW SCALE TECHNOLOGIES**

This new miniature beam steering system enables smaller instruments. The rotary piezo smart stage has a familiar galvo form factor, but dramatically smaller size: just 12 mm diameter including the built-in closed-loop controller. Developer's kits are available for one-axis mirror positioning and two-axis beam steering systems. Mirrors move $\pm 20^\circ$ for precise point-to-point positioning of beams up to 2 mm diameter or dynamic scanning to 100 Hz.

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Photonics West, Booth 904-905, February 16-18, Moscone South

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